

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	((("4329075") or ("5366302") or ("5576751") or ("6247859")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/23 14:32
S2	27	("3632969"   "3795298"   "3822005"   "3855448"   "3939957"   "3989131"   "4134696"   "4145698"   "4151397").PN. OR ("4329075").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/23 14:42
S3	31	("4962392"   "5005020").PN. OR ("5366302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/23 14:50
S4	4	("4456392").PN. OR ("5576751").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/23 14:53
S5	6	("4558963"   "5017028"   "5033888"   "5112149"   "5372439"   "5649774").PN. OR ("6247859").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/23 14:56
S6	2	ep-361826-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 14:57
S7	2	ep-555556-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 14:58
S8	25	(US-5576751-\$ or US-4151397-\$ or US-4775252-\$ or US-5541635-\$ or US-5697714-\$ or US-6769825-\$ or US-6975340-\$ or US-5372439-\$ or US-7042480-\$ or US-3822005-\$ or US-4396308-\$ or US-5033888-\$ or US-6061076-\$ or US-4329075-\$ or US-5366302-\$ or US-5779371-\$ or US-5649774-\$ or US-6247859-\$ or US-4456392-\$ or US-4558963-\$ or US-5017028-\$).did. or (EP-361826-\$ or EP-555556-\$).did. or (EP-361826-\$ or GB-2263086-\$).did.	USPAT; EPO; DERWENT	OR	ON	2006/09/25 02:31
S9	1	S8 and actuator	USPAT; EPO; DERWENT	OR	ON	2006/09/25 02:45

## EAST Search History

S10	12	S8 and motor	USPAT; EPO; DERWENT	OR	ON	2006/09/25 02:45
S11	0	S10 and servo	USPAT; EPO; DERWENT	OR	ON	2006/09/25 02:45
S12	2	S10 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 02:46
S13	6	("4558963"   "5017028"   "5033888"   "5112149"   "5372439"   "5649774"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 12:51
S14	222	(400/120.16).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/25 12:52
S15	166	(101/100).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/25 12:52
S16	59	(400/120.17).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/25 12:59
S17	463	(347/197).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/25 12:52
S18	114	(347/198).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/25 13:38

## EAST Search History

S19	222	(347/220).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/25 12:59
S20	17	("4844632").URPN.	USPAT	OR	ON	2006/09/25 13:06
S21	23	("3845850"   "4179210"   "4495507"   "4570168"   "4594597"   "4694305"   "4707706"   "4844632"   "4857941"   "4860028"   "5051009"   "5160205"   "5189477"   "5366302"   "5440328"   "5528277"   "5546115"   "5546116"   "5600362"   "5610649"   "5674013"   "5694159"   "5806996").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:10
S22	20	S18 and linear	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 13:40
S23	154	S16 or S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 13:40
S24	21	S23 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 13:59
S25	4	S23 and (servo adj motor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:16
S26	2	S24 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 14:00
S27	10	S24 and thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 14:11

## EAST Search History

S28	45	S23 and thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 14:11
S29	45	(US-20060083571-\$ or US-20050031395-\$).did. or (US-5033888-\$ or US-5017028-\$ or US-6266075-\$ or US-6247859-\$ or US-5576751-\$ or US-6061076-\$ or US-4844632-\$ or US-4151397-\$ or US-3822005-\$ or US-5649774-\$ or US-6789966-\$ or US-5473984-\$ or US-4708500-\$ or US-RE35026-\$ or US-6975340-\$ or US-5678938-\$ or US-4456392-\$ or US-4558963-\$ or US-6769825-\$ or US-5372439-\$ or US-6099176-\$ or US-6095701-\$ or US-7042480-\$ or US-6076983-\$ or US-5541635-\$ or US-5806996-\$).did. or (US-4775252-\$ or US-4396308-\$ or US-4329075-\$ or US-5040461-\$ or US-4913567-\$ or US-5697714-\$ or US-4860028-\$ or US-5779371-\$ or US-5149210-\$ or US-6056454-\$ or US-5366302-\$ or US-5172137-\$ or US-4848945-\$).did. or (EP-555556-\$ or EP-361826-\$).did. or (GB-2263086-\$ or EP-361826-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:47
S30	1	S29 and (servo adj motor)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:12
S31	68030	("347").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 23:16
S32	75079	("400").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 23:16
S33	138725	S31 S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:16

## EAST Search History

S34	1	S33 and (ribbon spool) and (servo adj motor) and (rotation with sensor) and (reverse adj voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:17
S35	28	S33 and (ribbon spool) and (servo adj motor) and (rotation with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:24
S36	469	S33 and (ribbon spool) and (rotation with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:24
S37	134	S33 and ribbon and spool and (rotation with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:24
S38	62	S37 and (spool with rotation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:25
S39	741	S33 and (servo adj motor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:25
S40	4	S39 and (reverse adj voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:28
S41	48	S38 and ((motor drive) with spool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:33

## EAST Search History

S42	4	S29 and ((stationary pagewidth) near2 (printhead (print adj head)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 23:34
S43	11	S29 and actuator	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:58
S44	0	S43 and (double near3 actuator)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:47
S45	277	S33 and (double near3 actuator)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:47
S46	258	S33 and (double near2 actuator)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:51
S47	66	S33 and (double near acting)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/27 00:05
S48	5	S46 and S47	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:51
S49	16	S29 and thickness	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:59
S50	0	S29 and (thickness near2 sensor)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/26 23:59
S51	1	S29 and (thickness with sensor)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/27 00:00
S52	1	S47 and (thickness with sensor)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/27 00:00

## EAST Search History

S53	446	S33 and (thickness with sensor)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/27 00:06
S54	222	(400/120.16).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 00:05
S55	59	(400/120.17).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 00:05
S56	463	(347/197).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 00:05
S57	114	(347/198).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 00:05
S58	727	S54 S55 S56 S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 00:05
S59	1	S58 and (double near acting)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/27 00:08
S60	7	S58 and (thickness with sensor)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/27 00:06
S61	66	S58 and double	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/27 00:08